



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 31/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 17/10/2020 up to midnight 30/10/2020

	Number	Percent
Total number of confirmed cases	12,797	
National incidence of confirmed cases per 100,000 population	268.74	
Number of cases hospitalised*	372	2.91
Number of cases admitted to ICU*	23	0.18
Number of deaths among confirmed cases	18	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	2,408	18.82
Males	6,241	48.77
Females	6,548	51.17
M:F ratio	0.95	
Median age (years)	33	
Mean age (years)	36	
Age range (years)	0 - 103	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

**Cases may be associated with outbreaks notified outside the timeframe of this report 17/10/2020 - 30/10/2020

Note 1: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:26 on 31/10/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Note 2: Due to the large volume of COVID-19 cases in recent days, the collection of surveillance data has been considerably reduced. Consequently, HPSC is currently producing an abridged version of the 14 day report.

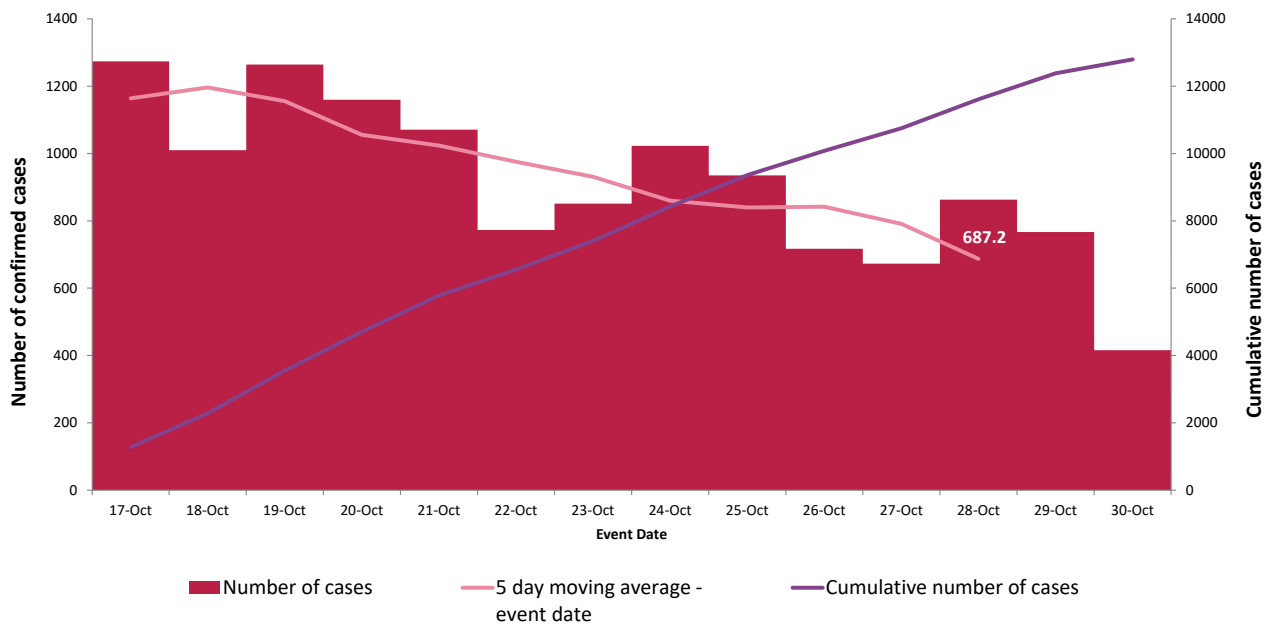


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=12,797)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 17/10/2020 up to midnight on 30/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		12,797	100
Sex	Male:Female ratio	0.95	
	Male	6,241	48.77
	Female	6,548	51.17
	Unknown	8	0.06
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 103	
	0-4 yrs	519	4.06
	5-14 yrs	1,330	10.39
	15-24 yrs	2,920	22.82
	25-34 yrs	1,902	14.86
	35-44 yrs	1,760	13.75
	45-54 yrs	1,744	13.63
	55-64 yrs	1,354	10.58
	65-74 yrs	674	5.27
	75-84 yrs	357	2.79
	85+ yrs	232	1.81
	Unknown	5	0.04

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 17/10/2020 to midnight 30/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1444	369.0
CHO2	1299	286.7
CHO3	964	250.4
CHO4	2075	300.5
CHO5	883	173.0
CHO6	626	163.4
CHO7	1630	230.3
CHO8	2143	346.0
CHO9	1732	278.7
Unknown	1	
Ireland	12,797	268.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 17/10/2020 to midnight 30/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	492	645.9
Meath	977	500.9
Westmeath	322	362.7
Sligo	235	358.6
Cork	1725	317.8
Galway	811	314.3
Donegal	494	310.3
Monaghan	186	303.0
Carlow	170	298.6
Louth	367	284.8
Limerick	539	276.6
Kildare	603	271.0
Longford	107	261.8
Mayo	339	259.8
Dublin	3203	237.7
Kerry	350	237.0
Clare	280	235.7
Roscommon	149	230.9
Laois	191	225.5
Waterford	242	208.3
Wexford	290	193.7
Offaly	150	192.4
Tipperary	221	138.5
Kilkenny	133	134.0
Wicklow	183	128.5
Leitrim	38	118.6
Total	12,797	268.7

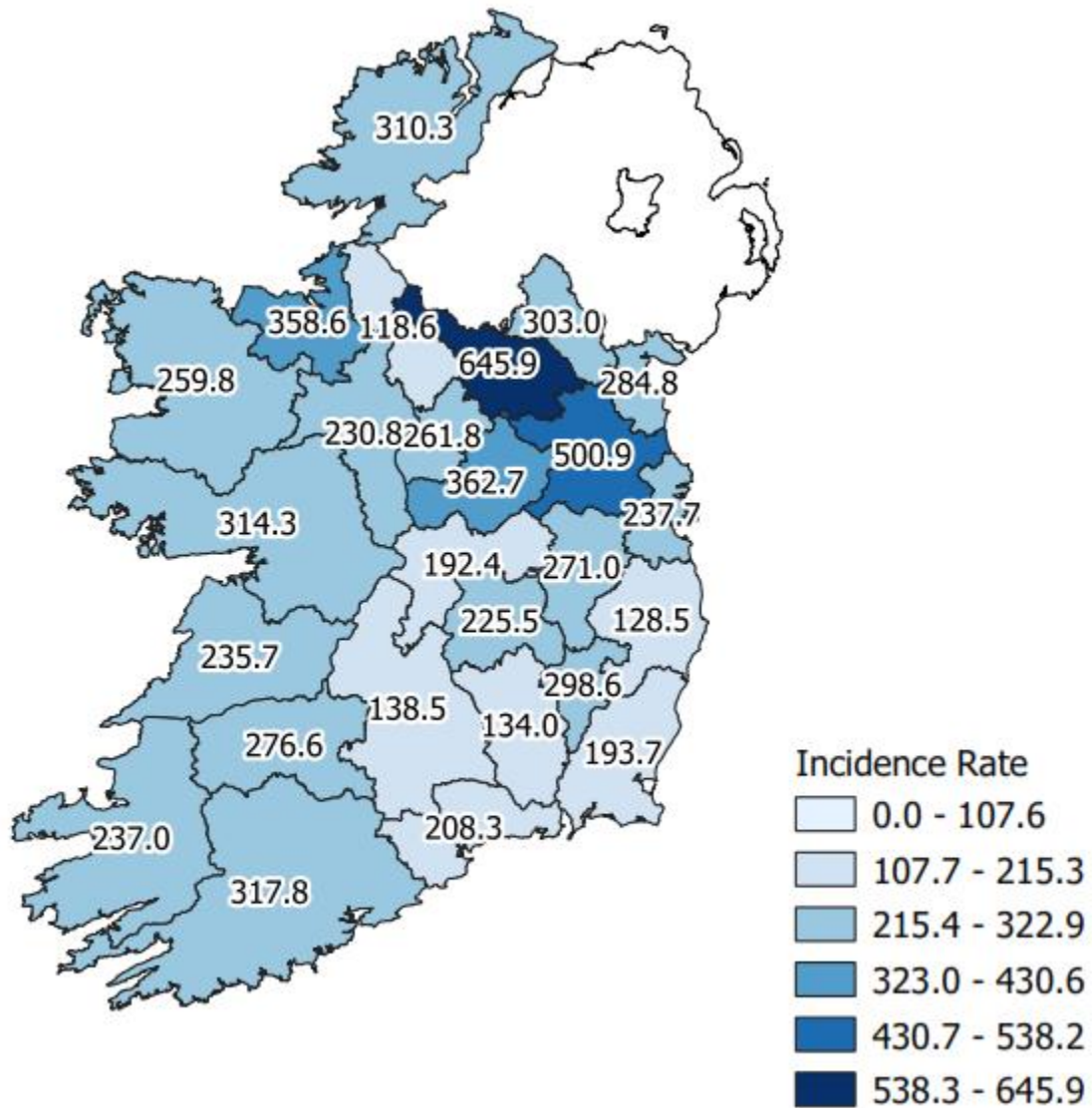


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 17/10/2020 and 30/10/2020

Please do not directly compare county shades to previous maps. The number of cases are increasing and as such the categories listed will broaden which may result in changes to the map shading.

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified in Ireland with a notification date between 17/10/2020 and 30/10/2020

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification dates
CCA1	Dublin South	149	109.5
CCA2	Dublin South East	301	243.3
CCA3	Dublin South City	228	152.1
CCA4	Dublin South West	335	208.2
CCA5	Dublin West	457	294.2
CCA6	Dublin North West	710	341.9
CCA7	Dublin North Central	436	282.0
CCA8	Dublin North	586	226.1
	Unknown	1	
	Dublin	3203	237.7

Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs.

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 17/10/2020 to midnight 30/10/2020 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	519	4	1.08	0	0
5-14 yrs	1330	6	1.61	0	0
15-24 yrs	2920	14	3.76	0	0
25-34 yrs	1902	25	6.72	0	0
35-44 yrs	1760	31	8.33	1	4.35
45-54 yrs	1744	39	10.48	2	8.7
55-64 yrs	1354	52	13.98	2	8.7
65-74 yrs	674	72	19.35	13	56.52
75-84 yrs	357	83	22.31	5	21.74
85+ yrs	232	46	12.37	0	0
Unknown	5			0	0
Total	12,797	372	100	23	100

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

Acknowledgements

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, public health doctors, nurses, surveillance scientists, microbiologists and administrative staff.

Report prepared by COVID-19 Epidemiology Team, HPSC

Technical Notes

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:26 on 31/10/2020. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

2. Epidemiological date

Epidemiological date is the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and event creation/notification date.

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

3. Transmission classification

Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CIDR. Transmission is classified as 'unknown' due to incomplete data on CIDR.

Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

WHO definition of transmission classification is specified below:

- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

4. Outbreak location

Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.